1895.

DUMB WAITERS

AND

ELEVATORS.

MANUFACTURED BY

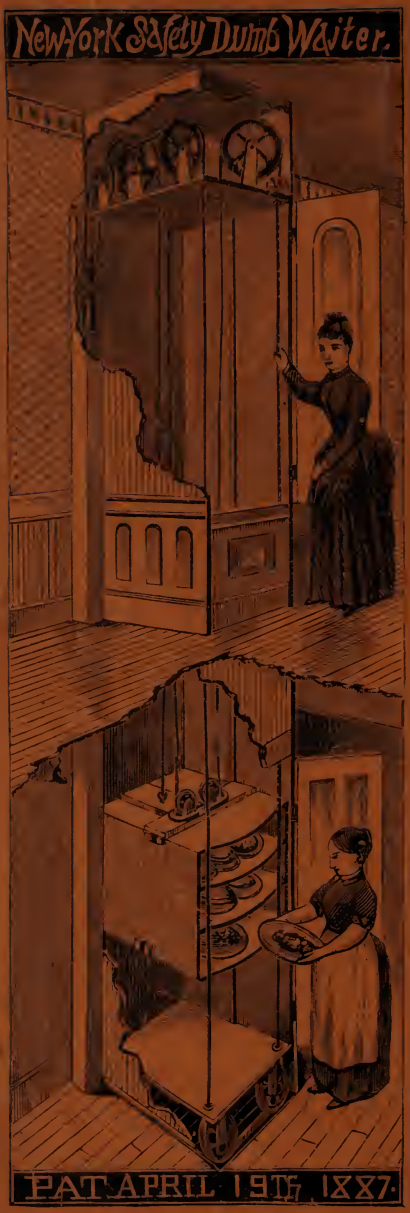
THE STORM MAN'F'G CO.

MAIN OFFICE AND FACTORY:

161 & 163 Washington Street,

NEWARK, NEW JERSEY, U. S. A.

AGENCIES AT 113 CHAMBERS STREET, NEW YORK.
SAN FRANCISCO, CALIFORNIA.
MONTREAL, CANADA.



THE

SIMPLEST,

MOST

DURABLE

AND

ECONOMICAL

WAITER

EVER

MADE.

LIFTS

EASILY

FIFTY TO

SEVENTY-FIVE

POUNDS.

Patented in Canada May 18, 1887. Patented in Great Britain June 17, 1887.

MADE ONLY BY

The Storm Manufacturing Co.,

NEWARK, NEW JERSEY.

To Our Many Customers, Friends and Others.

In this our Annual Catalogue for 1895, it affords us pleasure to call your attention to our complete and largely increased line of DUMB-WAITERS and ELEVATORS, as follows:

NEW YORK SAFETY DUMB WAITER, capacity 50 to 75 pounds. For description see pages 2 and 7.

MANHATTAN DUMB WAITER, capacity 150 to 200 pounds. For description see pages 10 and 11.

IMPROVED HUMPHREY HAND ELEVATOR, capacities 500 to 1,000 pounds. For description see pages 12 to 15.

No. 40 HAND ELEVATOR, capacity 1,500 to 2,000 pounds. For description see page 16.

CARRIAGE ELEVATORS, capacity 2,000 to 4,000 pounds. For description see page 20.

BASEMENT OR SIDE-WALK ELEVATORS. For description see page 21.

BELT POWER SCREW-WINDING ELEVATORS. For description see page 22.

INVALID LIFTS, capacity 500 to 1,000 pounds. For description see page 27.

We furnish fixtures alone for our machines, or everything complete, which includes car, all ropes, runs, counterweight, etc., ready to erect as per list on page 19, or will give estimates on them erected in any part of the country.

We have many thousands of Our Machines in use, and it is claimed for them, by those who are using them, that they are the most complete Hoisting Machines in the market.

The Storm Manufacturing Co.,

NEWARK, N. J.

THE NEW YORK

SAFETY DUMB WAITER.

Is first-class in all its appointments, and appeals to the intelligence of Architects, Builders and owners of Private Dwellings, Hotels and Apartment Houses. It has only to be seen to be appreciated, and pronounced the most simple and complete of any of its class. We name a few of its very desirable features, as follows:

Fixtures for any size Waiter, ALL ONE SIZE. It is provided with SAFETY ROPE, avoiding accident or breakage in case the hoisting rope breaks from long use. This is a feature so very desirable and also NEW that we call especial attention to it.

It is so simple to set up, that any ordinary mechanic, by the aid of our diagrams and instructions, which accompany each set, need never fail to complete it properly. They are packed one complete set in a case.

Further and important, they run closer to the ceiling and nearer to the floor than any waiter in the market.

Each set is provided with a grip, in order that the car when loaded (beyond balance) may be held at any desired point.

It MOVES WITH PERFECT EASE, and any child of ten years can operate it. It is absolutely noiseless, and has no parts that are liable to breakage.

The ROPES ARE ALWAYS TIGHT, the manner in which the counterpoise weight is attached allowing for either stretch or shrinkage.

A full-size Diagram accompanies each set of fixtures, showing the position of wheels on top shelf of well-hole as usually placed.

FIG. 1 shows the Waiter adjusted in position, with ropes and counterpoise weight in place.

It is desirable that the wheels E E should be placed on top of the car in such a position that the weight of the car shall be lifted from the center in all cases, to accomplish this, these wheels may be placed diagonally on the Car at equal distances from the corner.

The COUNTERPOISE WEIGHT should weigh about the same as the combined weight of the Car or Box, and the two wheels, E E—NOT LESS.

Always use flat weights. The pulley-block should not be allowed to turn in weight box and twist the rope. The weight box should be of such dimensions as to confine the weight from turning and still move without friction.

FIGURE 6.

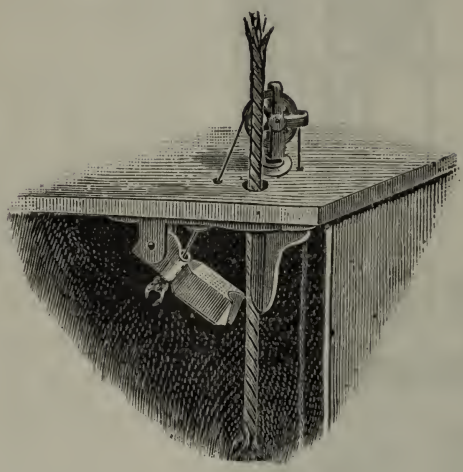


FIGURE 6, shows the brake grip for "The New York Safety" Dumb Waiter fixtures as placed on under side of shelf to which the fixtures are attached, also the small hooded pulley which is placed on top of shelf, and over which the brake cord runs. Place the brake grip in such position that the hand rope which elevates the Car will run through it. To apply the grip pull on the small cord running down the well. To release it pull down on hand rope and the grip will drop off. Attach the small ring to end of cord on first floor. USE 1-4 INCH CORD FOR BRAKE.

THE NEW YORK

SAFETY DUMB WAITER.

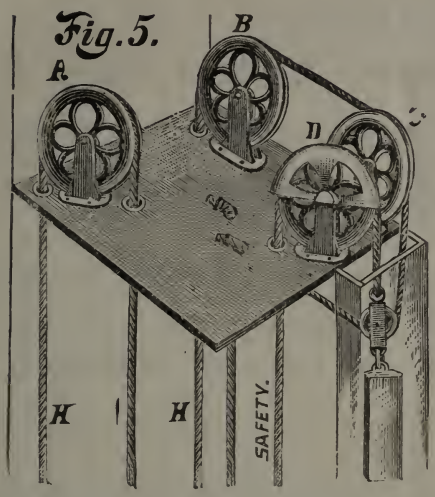


FIGURE 5, shows the perspective view of the wheels A, B, D and C, as arranged in most cases, and as also shown in figure 1.

The brake grip attachment should always be placed on under side of the shelf on which the fixtures set. See page 4, figure 6.

In order to have a smooth, easy working DUMB WAITER, overcome all friction in every place possible.

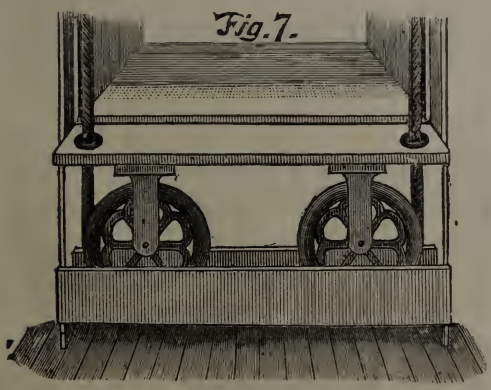


FIGURE 7, shows the guide wheels at bottom of shelf under Waiter and the manner in which they should be boxed in to prevent the rope from running off.

THE NEW YORK

SAFETY DUMB WAITER.

For stringing these Waiters use 1-2 inch pliable cotton rope, and for safety rope 3-8 inch pliable cotton rope.

The fixtures of the NEW YORK SAFETY DUMB WAITERS are made in the best manner possible, and of the best material. They are packed one set in a case, ALL BRONZED, and ready to set up.

WE PACK SAMPLES WITH EACH SET OF THE TWO SIZES OF THE MOST DESIRABLE ROPE TO USE. ALWAYS TAKE THE KINK OUT OF THE ROPE BEFORE YOU STRING THE WAITER. THE GUIDE RUNS SHOULD BE 7-8 INCH WIDE BY 1 1-4 INCHES DEEP, AND ARE BETTER IF COATED WITH BLACK LEAD. WE CAN FURNISH THE ROPE AND WEIGHTS IF DESIRED.

The set as packed in a case complete, consists of the following pieces: Six 8-inch wheels, two 4-inch wheels, one pulley for weight and safety rope, five 1 1-4-inch thimbles, one 3-4-inch thimble, one ring for safety rope, one brake grip, one ring for brake cord, one hooded pulley for grip, one patent plate, four car guides.

THE NEW YORK

SAFETY DUMB WAITER

FIXTURES.

Have been on the market about eight years, and are in very general use throughout the United States and Canada and giving universal satisfaction. These fixtures should NOT BE USED FOR WELL HOLES OR OPENINGS LARGER THAN 24 INCHES SQUARE.

PRICE OF FIXTURES ALONE,

$15 Per Set.

CORRESPONDENCE SOLICITED, AND ANY DESIRED INFORMATION FURNISHED WITH PLEASURE.

THE STORM

Manufacturing Company,

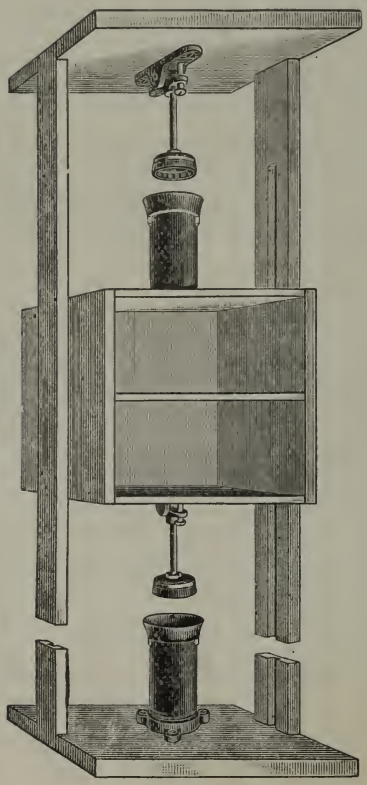
NEWARK, N. J.

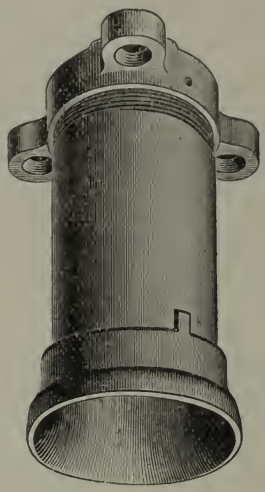
THE "ECLIPSE"

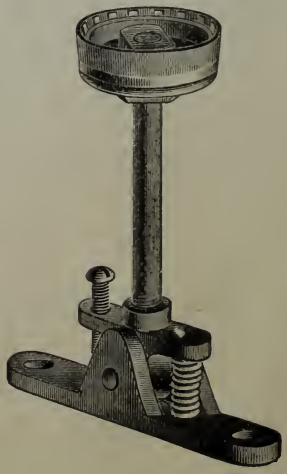
Dumb=Waiter Check.

A VERY USEFUL DEVISE

AS APPLIED TO THE DUMB-WAITER.



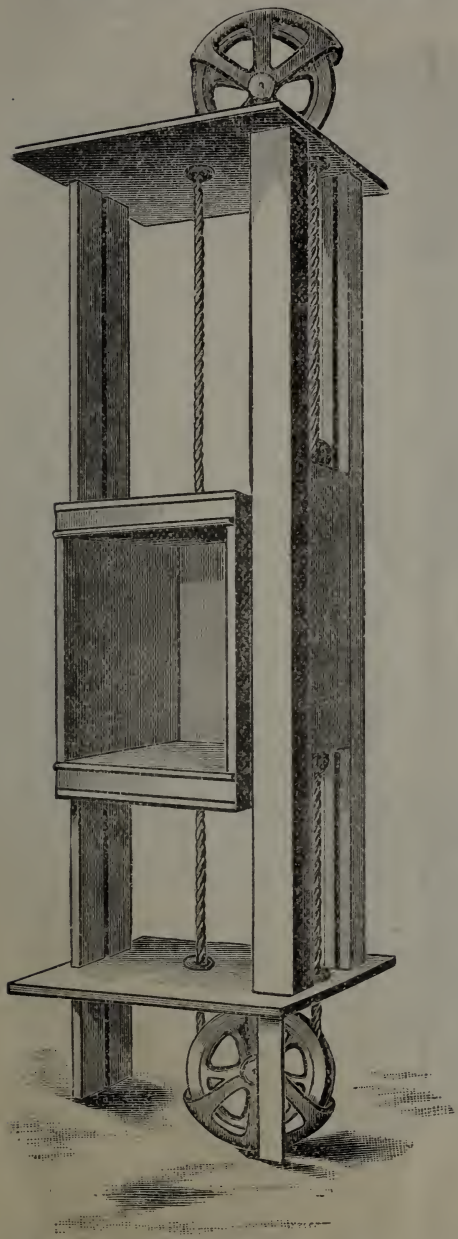




Prevents noise and shock from sudden stopping, often saving China and Glassware from breakage when the Dumb-Waiter is carelessly handled. Can be applied to either top or bottom, or to both, as desired.

PRICE $5.00 EACH.

OUR No. 400 DUMB-WAITER.



A very simple, easy-working machine for light work.

Car made of Whitewood. Size, from eight to twelve inches square and fifteen inches high.

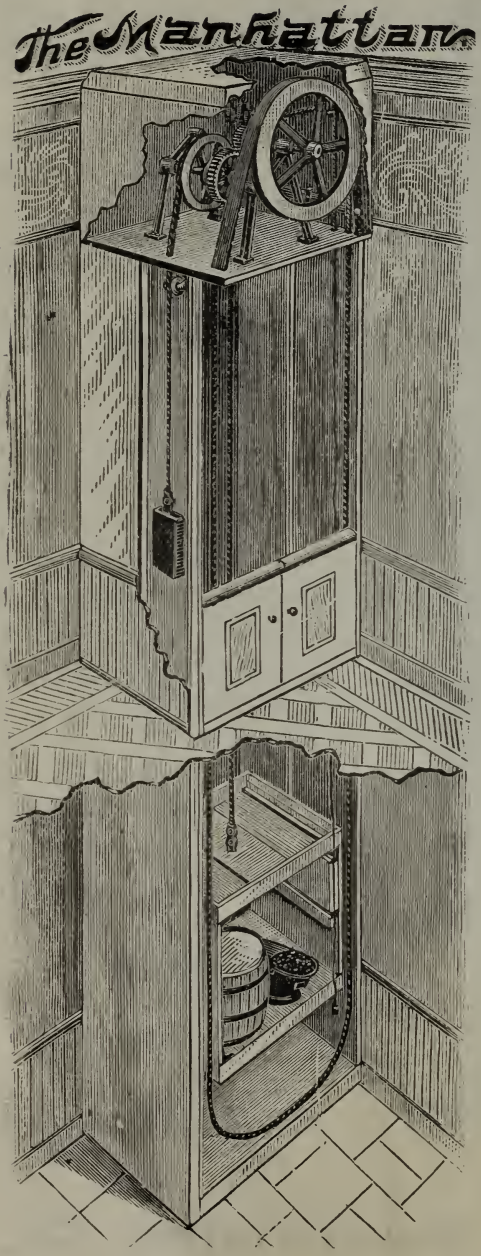
Especially adapted for carrying letters and papers from one floor to another, and for light use in Restaurants, Cafes, etc., or anywhere where load to be lifted does not exceed ten to fifteen pounds.

Price for everything complete, ready to erect, which includes Pulleys on Shelves, Car, Rope and Counterweight, for first ten feet in height, $20.00. For each additional foot in height, 30 cents.

The STORM Manufacturing Co,,

NEWARK, N. J.

The Manhattan Dumb-Waiter.



PATENT APPLIED FOR.

This fixture has a capacity of 200 lbs. and is especially intended for use in places where the New York Safety is not heavy enough, such as in Tenement, & Apartment Houses where heavy substances are to be lifted, and where the buildings are many stories high.

The shafts of these fixtures run on Babbitt Metal Bearings; they are frictionless and noiseless, are handsomely bronzed, are perfectly make and warranted in all particulars. We make the hoistwheels in three sizes, 20 in., 24 in. and 30 in. The counterpoise weight can run on either side or at back. Use 3-8 inch cable for lifting and 5-8 manilla rope for hand rope. Price, $25.00 per set. These fixtures should not be used in well holes or openings larger than 36 inches square.

We also make this as a double faced fixture, with hoist wheels on both ends of the shaft, so that it can be operated from either side on any floor. Price $29 per set. These fixtures are adjusted to a 1 1-4 inch shelf, ready to place over well hole.

THE

Manhattan Dumb-Waiter.

This Machine is equipped with a BAND BRAKE, which operates on the main HOIST WHEEL, and which positively controls the load at any point, either in hoisting or lowering.

We also make this Machine with BEVEL GEARS, so that the counterweight can go at the back.

Single Face Fixtures....$25 Per Set.

Double Face Fixtures....$29 Per Set.

Bevel Gear Fixtures.....$30 Per Set.

In ordering, please state whether the counterweight is to run at right or left hand side OR BACK.

THE IMPROVED

Humphrey Hand Elevator

PATENTED AUGUST 19, 1890.

The Sizes
- No. 1—Lifting capacity, 500 pounds.
- No. 2—Lifting capacity, 750 pounds.
- No. 3—Lifting capacity, 1,000 pounds.

For light Store and Factory work, Hospitals and Public Buildings. For Trunk and Invalid lifts. For carrying Coal, Flour, Ashes and other heavy substances in Tenements, Flats and Private Dwellings.

So simple in construction, and price so low that it can be used in many places instead of a dumb-waiter, and has many times the lifting capacity.

These fixtures are handsomely bronzed, the shafts run in babbitted bearings, they are perfectly fitted, and can be guaranteed in all respects.

FOR PRICE OF FIXTURES SEE PAGE 15.

MANUFACTURED ONLY BY

The Storm Manufacturing Co.,

NEWARK, NEW JERSEY.

THE IMPROVED Humphrey Hand Elevator.

Figure 1 shows the fixtures adjusted on top frame of well hole, also the opening on ground floor. The weight can be adjusted to run down on either the right or left hand side, as desired, and the fixtures are supplied either way as required, where so stated in the order. When not specified we always send them for the weight to run on right hand side as you face the front.

The large ball weight at the left is attached to the brake rope, and raising or pulling on this rope relieves or applies the brake. For hand rope use 1-inch manilla rope:; for lifting rope use $\frac{1}{2}$ in. wire cable. We will supply these ropes for any length well hole, at reasonable prices, if desired.

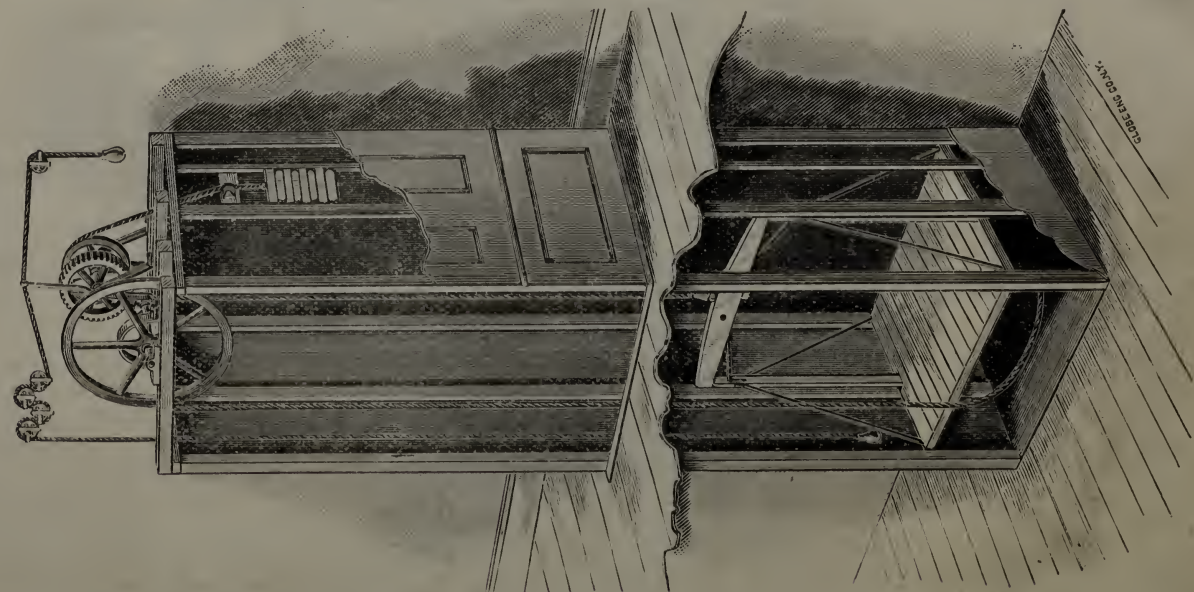


FIGURE 1.

THE IMPROVED
Humphrey Hand Elevator.

FIGURE 2.

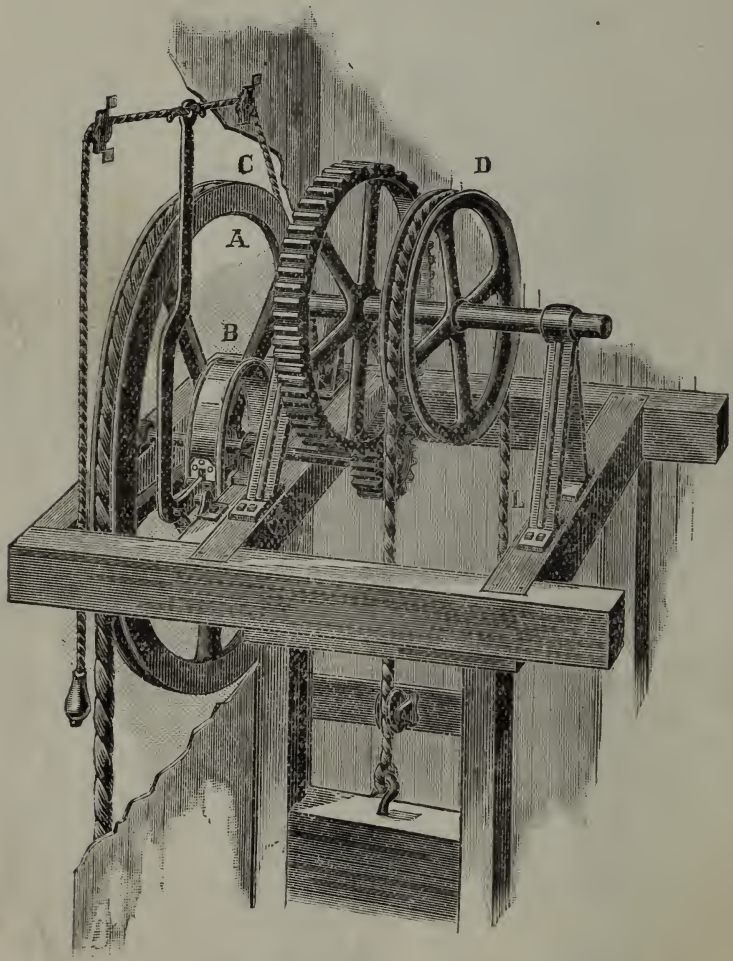


Figure 2 gives side view of fixtures adjusted on top frame. A, is the Hoist Wheel. B, the Brake. D, the Shieve Wheel. L, the Lift Rope. C, shows the Brake Cord running over two pulleys attached to ceiling or beams.

The small, pear-shaped weight is attached to end of Brake Cord as shown above.

The Counterweight should be about one third heavier than weight of car when empty.

THE IMPROVED

Humphrey Hand Elevator.

No. 1, Capacity 500 pounds. Suitable for well holes from $2\frac{1}{2}$ to $3\frac{1}{2}$ feet square.

Hoist Wheels either 30 or 60 inches. Price of Fixtures, $44 per set.

No. 2, Capacity 750 pounds. Suitable for well holes 3 to 5 feet square.

Hoist Wheels either 42 or 48 inches. Price of Fixtures, $65 per set.

No. 3, Capacity 1,000 pounds. Suitable for well holes from $3\frac{1}{2}$ to 5 feet square.

Hoist Wheels either 48 or 60 inches. Price of Fixtures, $88 per set.

We make any of these three machines with Bevel Gears so that counterweight can run back of well.
For price add $8.00 to List.

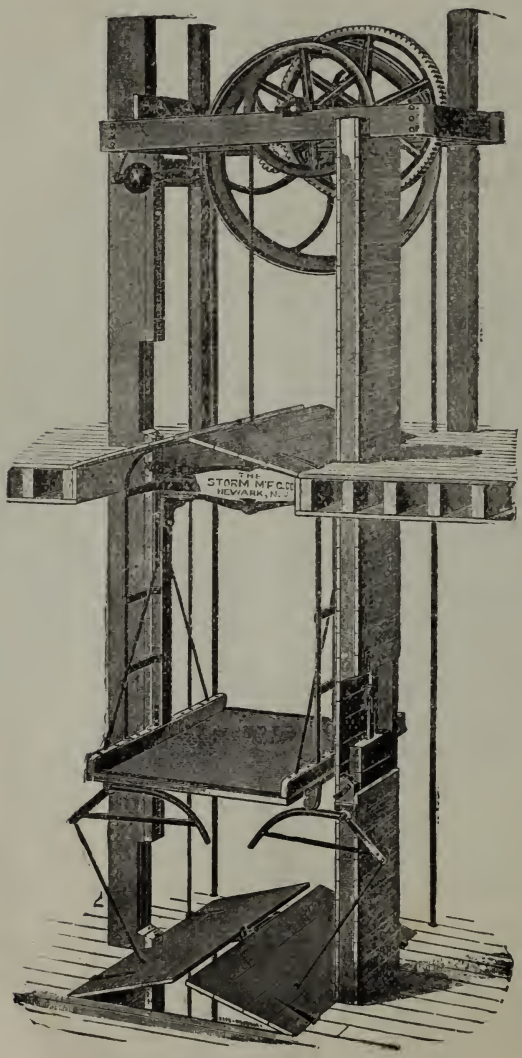
In ordering, state size of the well hole, inside measurement.

FOR PRICE OF FIXTURES COMPLETE, WITH CAR, RUNS, WEIGHTS, ETC., SEE PAGE 19.

OUR IMPROVED
Hand Power Elevator

No. 40.

CAPACITY 1,500 TO 2,000 POUNDS.



This machine is only sold complete with car, etc., ready to erect.

For price see page 19. Automatic Hatch Doors extra.

AMONG THE

The Many Well-Known Buildings

In which these fixtures have been recently placed, and to which we would refer, are

Department of Agriculture.....Washington, D. C.

Wells, Fargo & Co.'s Stables.....Jersey City, N. J.

Margaret Pillsbury Memorial Hospital.....Concord, N. H.

Essex County Hospital for the Insane.....Newark, N. J.

National Home for Disabled Soldiers ....Marion, Ind.

The Hudson River State Hospital.....Poughkeepsie, N. Y.

The Middletown Insane Asylum.....Middletown, N. Y.

Factories of the Edison Lamp Co.....Harrison, N. J.

United States Military Academy.....West Point, N. Y.

Rutger's College..... ....New Brunswick, N. J.

Vassar College.....Poughkeepsie, N. Y.

Brown University.....Providence, R. I.

Rochester State Hospital.... .....Rochester, Minn.

Training School for Feeble Minded Children.....Vineland, N. J.

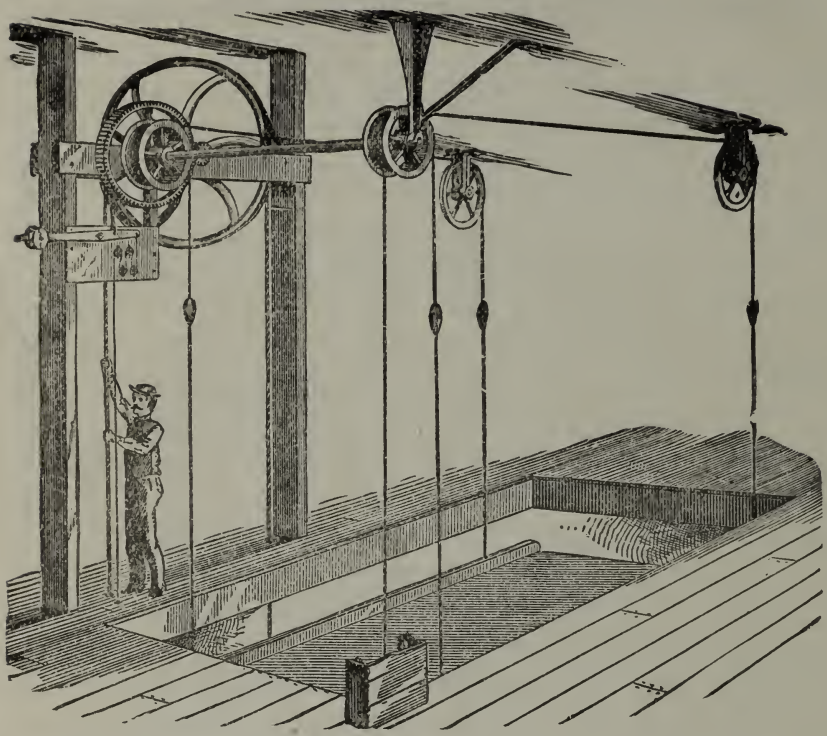
Insane Asylum..... Middletown, Conn.

Rhinehard Hospital.....,.....Ashland, Wis.

We can also refer to machines running in nearly every large city in the United States.

Our Carriage Elevator, No. 80.

CAPACITY 2,000 POUNDS.



The simplest, easiest working, most complete Hand-power Carriage Elevator made. For raising and lowering Carriages, Wagons, etc., in Stables and Carriage Factories; also for Warehouses where heavy and bulky substances are to be lifted. The platform is flat; has no cross-beams overhead to be in the way, and can be made any size to suit; is hung by four wire cables which wind on grooved drums.

The machinery is controlled by friction brake, operated by a single brake cord. The boxes are anti-friction, and every part of the machine of the best. We furnish the machine alone, with all ropes, cable and counterweight or set up complete in working order, in any part of the country, as desired.

Our No. 88 Machine is similar to the above, but heavier, and with a lifting capacity of 4,000 pounds.

PRICES ON APPLICATION.

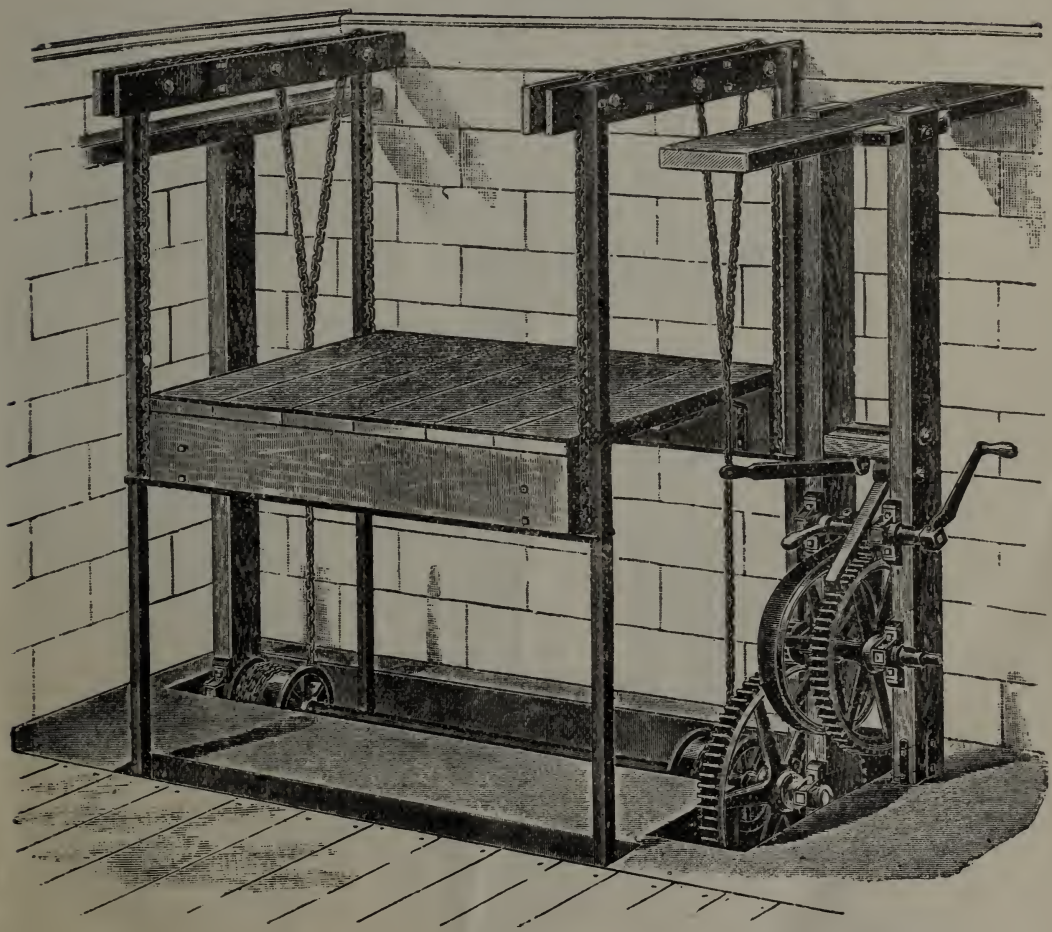
The Storm Manufacturing Co.,

161 & 163 WASHINGTON STREET, NEWARK, N. J.

Basement or Sidewalk Elevator,

No. 60.

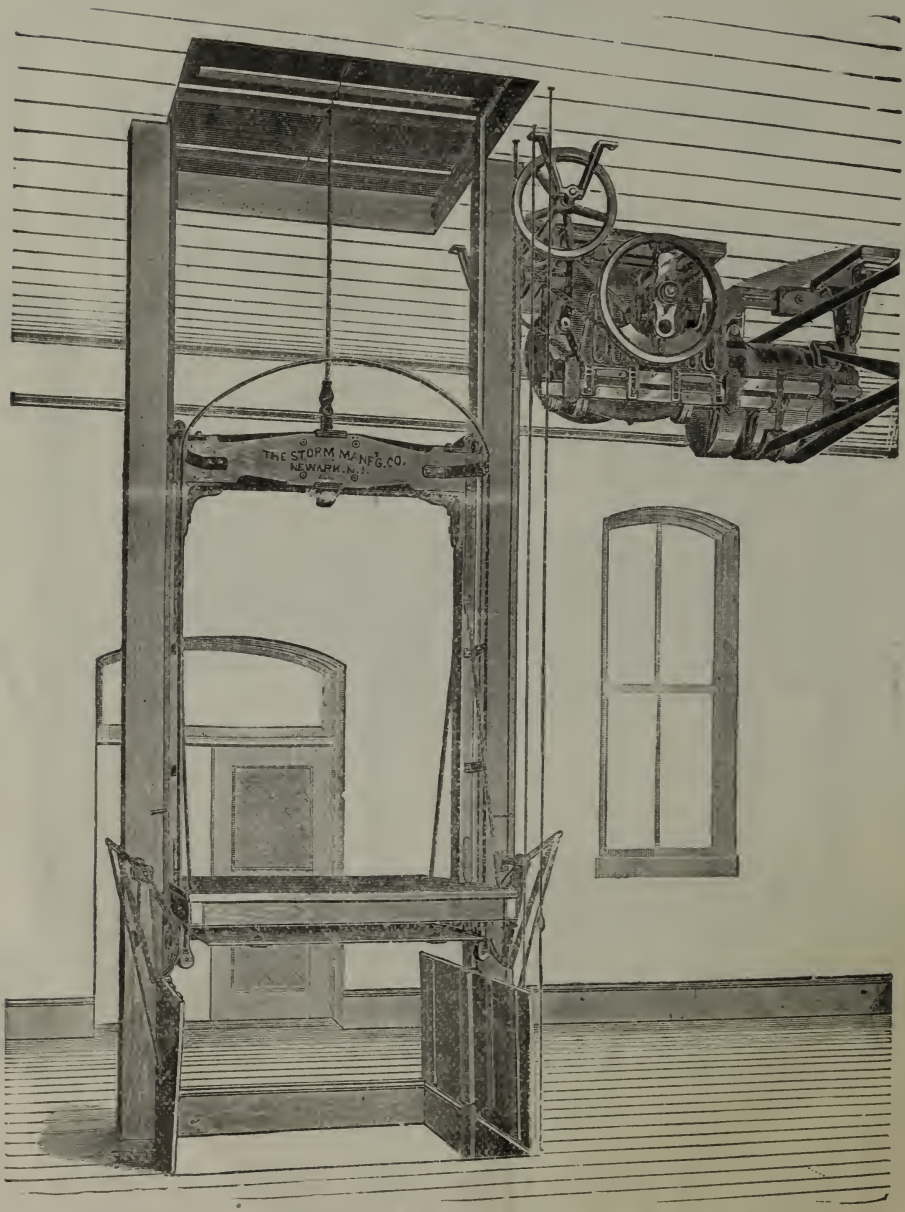
Any Size or Capacity Desired.



PRICES UPON APPLICATION.

Belt Power, Screw Winding Elevator.

Capacities, 1 Ton, 2 Tons, 3 Tons.

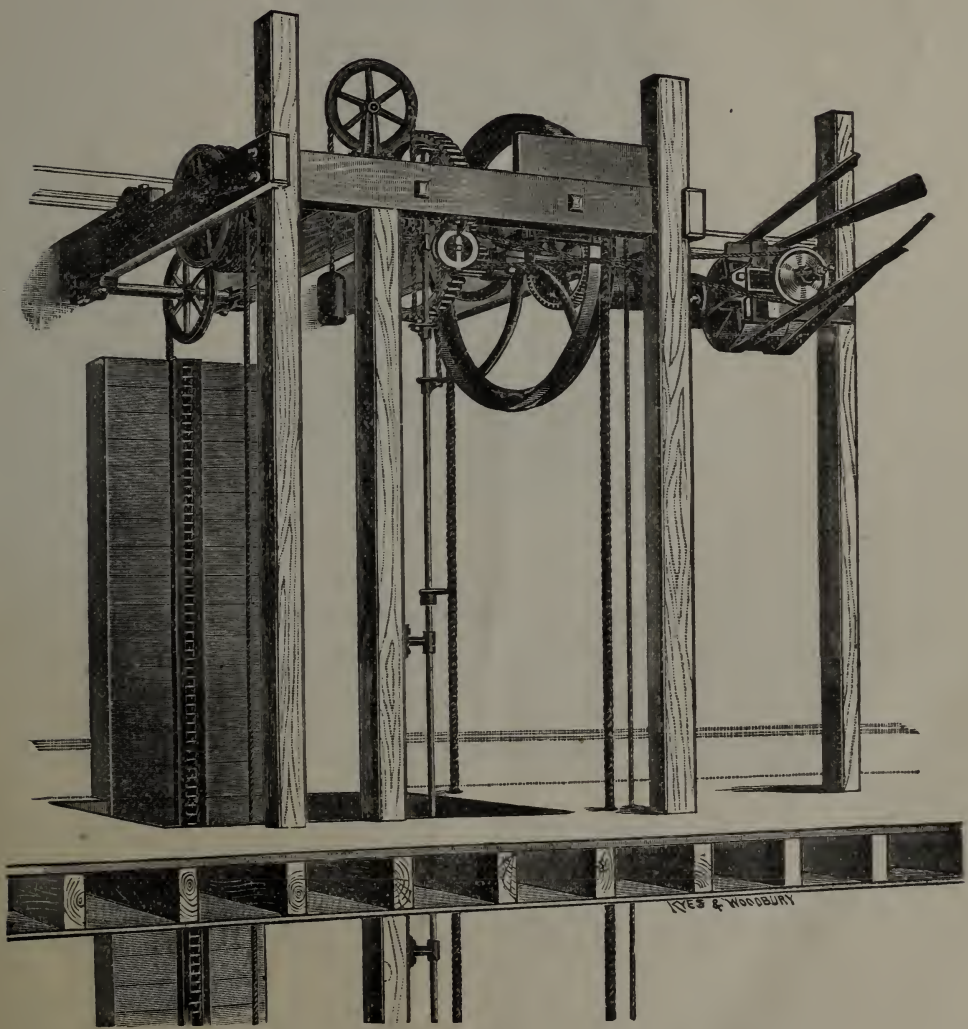


PRICES UPON APPLICATION.

No. 40 HAND ELEVATOR.

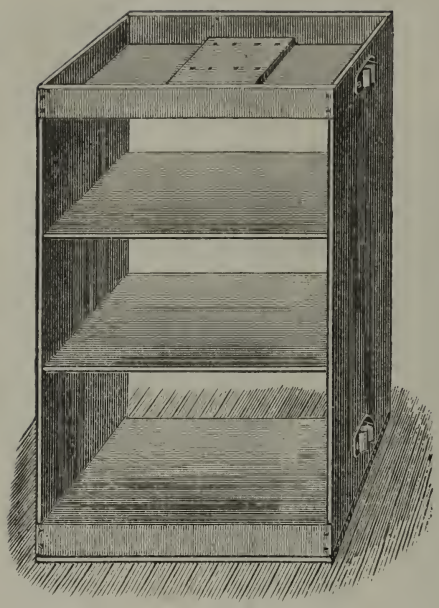
With Double Geared Belt Power Attachment.

CAPACITY, 1,500 TO 2,000 POUNDS.



PRICES UPON APPLICATION.

No. 1.

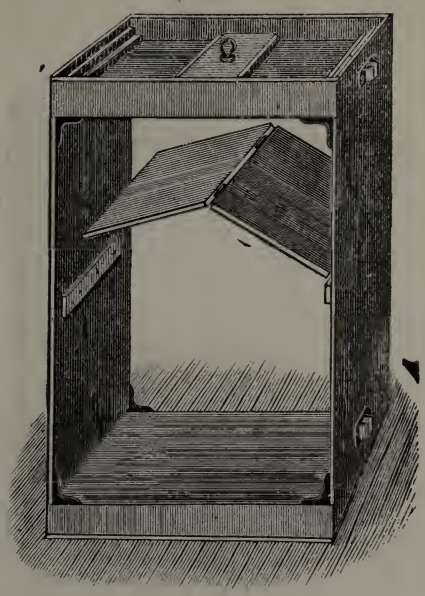


CAR No. 1.—For use with the NEW YORK SAFETY FIXTURES, is built of whitewood, with two stationery shelves.

Made any size from 16 inches square to 2 feet square; usual height, 30 inches.

PRICES UPON APPLICATION.

No. 2.

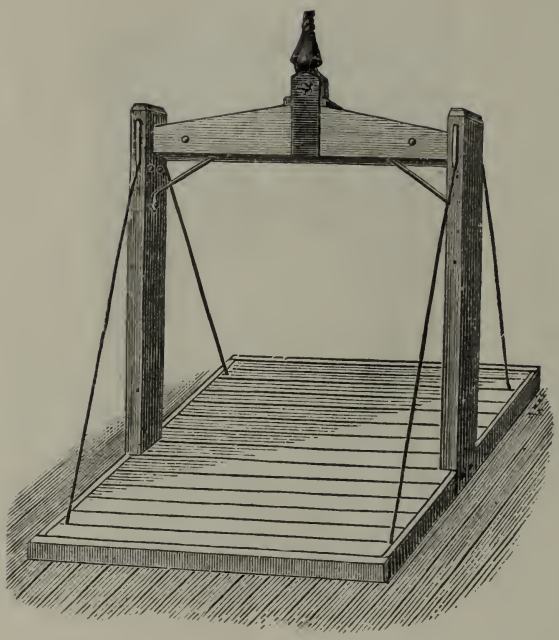


CAR No. 2.—For use with the MANHATTAN DUMB WAITER FIXTURES. Is built of Ash with one shelf hinged to fold back, so as to admit of carrying a barrel of flour, etc. We build this car without a back when intended for use with double faced fixtures.

Made any size from 20 inches square to 3 feet square; usual height, 36 inches.

PRICES UPON APPLICATION.

No. 3.



CAR No. 3.—For use with the IMPROVED HUMPHREY HAND ELEVATOR, is built very strong from hard wood and thoroughly braced.

Made any size from 2 feet square to 5 feet square, and any height from 3 feet to 6 feet in the clear.

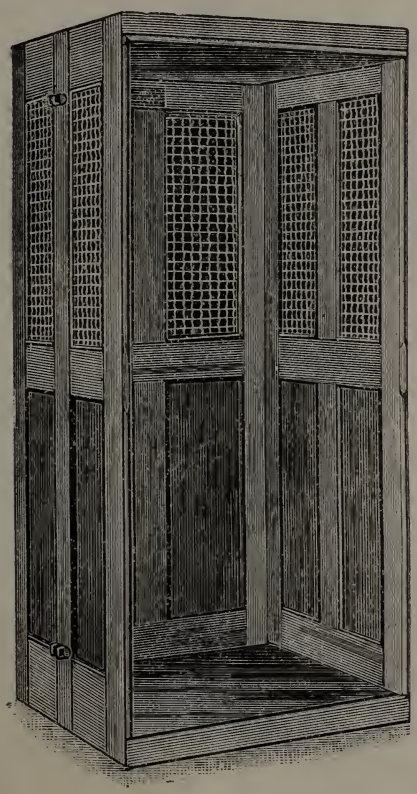
In ordering No. 3 Cars, please state height under cross-beam.

Prices Upon Application.

OUR

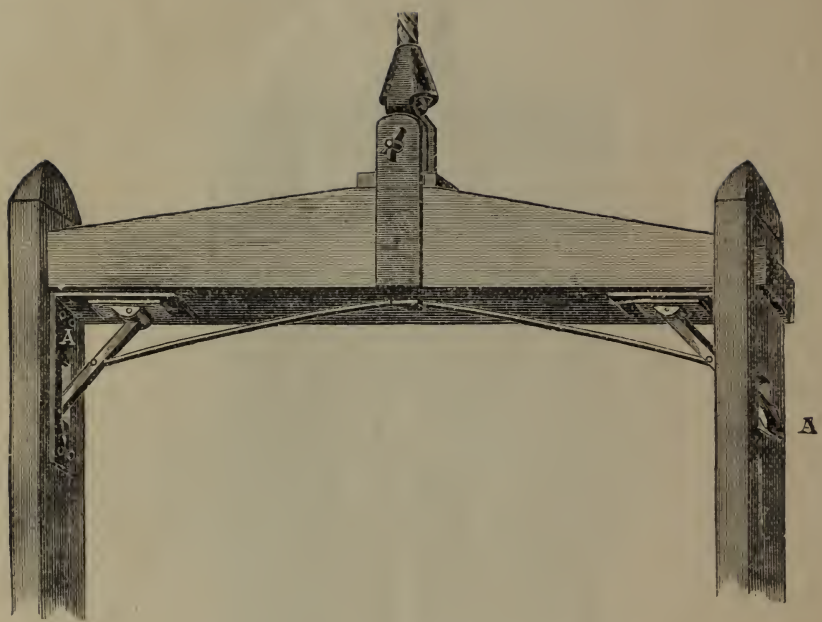
Special Invalid Lift.

CAR No. 4.



The above Car, built of hard wood, handsomely paneled and ornamental wire work in combination with our IMPROVED HUMPHREY HAND ELEVATOR, makes the most complete, easiest working and safest Invalid Lift ever placed upon the market. We furnish complete the machine, car, all weight runs, ropes and counterweights, with full directions for erecting, or will give estimates for them erected in any part of the country.

Prices upon Application.



This cut shows our SPECIAL IMPROVED SAFETY ATTACHMENT, which positively prevents car from falling should hoist rope break. Suitable for use with No. 3 or No. 4 cars.

We can also equip any of our elevators with double shieves and double cables if desired.

Prices on Either of Above Extras on Application.